

**Embedded Security
Integration System**



Quick Reference Guide

Brief Introduction

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Anson is a high-tech company dedicating itself to smart security technology. Anson provides unified smart security products and solutions for global security projects and commercial smart applications. Anson is the inventor and leader of NSR(Network Security Recorder) series which successfully integrate monitor, Alarm, Access Control, Intercom and Information Records. Anson products are based on innovation and state-of-art technology which together provide smart and unified security management platform for customers home and abroad.

For detailed specification and functions, please refer to User Manual; in case of inconsistency, the content in User Manual should be kept.

All data and info in the catalog are carefully checked, any mistake resulted from printing and translation can be disregarded.

Anson reserves the authority of explanation for its products.

Open the Era of Embedded Security Integration Systems

NSRTM Network Security Recorder

Network Security Recorder

Video Monitoring Function

NSR can real-time monitor the status of connected devices via IE browser or NSM. NSM not only can monitor video record, but also real-time monitor access control status, alarm status and playback video.



Open the Era of Embedded Security Integration Systems

Access Control Management Function

Each NSR can be connected with 2-4 readers to realize enhanced access control management for 1 - 4 doors. Open-door mode can be set as Open by Multiple Cards, Open by Password, Open by Card + Password or different open mode in different time segments.



- 8 groups of alarm inputs, 8 groups of relay outputs
- 4 / 8 groups of video inputs, 2 groups of video outputs
- 4 / 8 groups of audio inputs, 1 group of audio output
- 4 groups of reader inputs
- 4 electric lock inputs
- 4 door-magnet inputs



SATA



SD



Wi-Fi

Alarm Management Function

Alarm management is a main function of NSR. Each NSR unit is equipped with 4 / 8 groups of alarm inputs and 4 / 8 groups of alarm outputs. Moreover, alarm output can be extended by extension board with up to 12 groups of alarm outputs. NSR can connect any exterior alarm devices.



Unified Management

NSM can realize unified management and control on multiple NSR units via LAN or WAN. Moreover, NSM can realize unified video management, unified employee information management, attendance statistics, video download, and video input management etc.



NSRTM Network Security Recorder



Network Security Recorder

NSRTM Network Security Recorder

Network Security Recorder

Model	NSR-4488	NSR-8488
Product Name	4488 Network Security Recorder	8488 Network Security Recorder
Frequency	266MHz	
BNC Video Input	4	8
BNC Video Output	1	
VGA Video Output	1	
Audio Input	4	8
Audio Output	1	
Intercom Input Live	1	
Intercom Output Live	1	
SD Card Interface	1	
SATA Interface	1	2
USB Interface	1	
Video Format	H.264/MPEG4	
Picture Quality	D1/HD1/CIF/QCIF	
Reader Input	4	
Controlling Doors	two-door one-way or one-door two-way	Four-doors one-way or two-door two-way
Product Size	266*188*61mm	

NSMTM Network Security Management



Propellant for Operating Security

Real-time Monitoring Function

NSM can realize real-time monitoring and security management for Multi-site and Multi-zone via NSR. E-map can real-time monitor the security status of each point and each region, as well as display all alarm signals, door status, real-time image display, work status and video information of NSR.



Alarm Management Function

NSM possesses professional alarm management capacities. Multiple alarm inputs and outputs, alarm management of multiple NSR devices can be self-defined and setup by NSM.



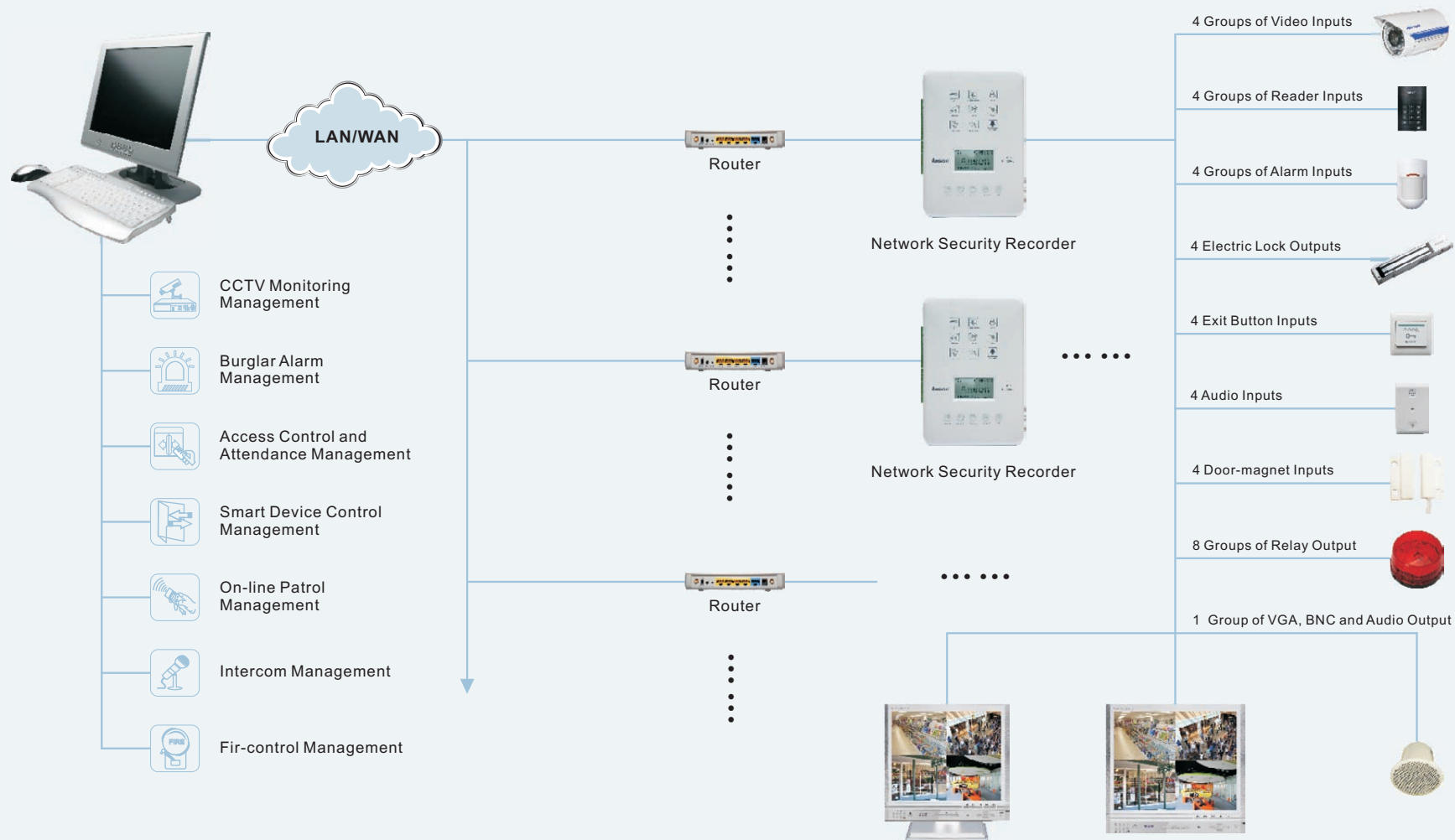
Access Control Management Function

NSM possesses powerful Access Control Management function and can manage administrator group, access group, holiday access time setup, different open door modes during different time, multiple door open mode, anti-passback, and activate/dismiss security etc.



NSMTM Network Security Management

NSM Management System Based on Remote Network(CS Unified Management Mode)



Network Security Management

Safesmart Software

Multi-language

Adopting UNICODE encoding internally and text file and webpage externally, safesmart can support new language by modifying external files instead of modifying the program.

Powerful Functions

Safesmart is a multifunctional software which integrates access control, attendance, parking management and on-line patrol functions. It also supports multi-workstation application. This software can monitor 100,000 cardholders and control 100 controllers.

Easy to Use, Multiple System

The interface is concise and easy to operate.

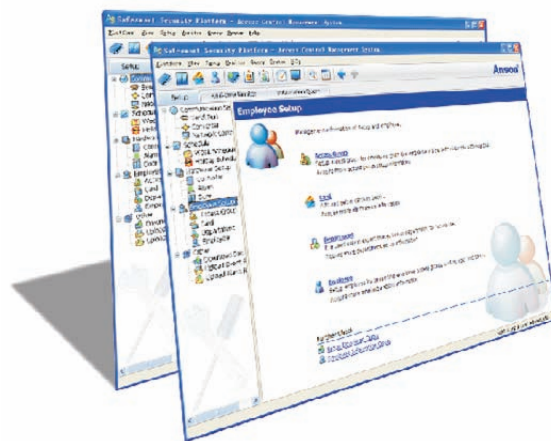
Safesmart can work with Windows /2000/XP/2003 Server/Vista and so on.

Multiple Database

Safesmart supports ACCESS and SQL server database. User can chose the database during software installation.

The configuration of PC Required

CPU: 800M
Memory: $\geq 256M$
Hard Disk Capacity: $\geq 20G$
Monitor: 1024*768 pixels



Attendance Function

Safesmart supports different attendance modes, such as routine attendance, cross-day attendance and three-shift attendance. User can check the detailed attendance record and print out various attendance reports.

Self-defined Extension Board Output

User can define electric lock output, door magnet output, alarm output on the extension board. User also can self-define the co-relation between input and output.

Real-time Monitoring and Snapshot

Safesmart can real-time display card-reading and alarm events, and can realize snapshot function.

Dynamic User Help

When user clicks a functional button, safesmart will display related help information automatically.

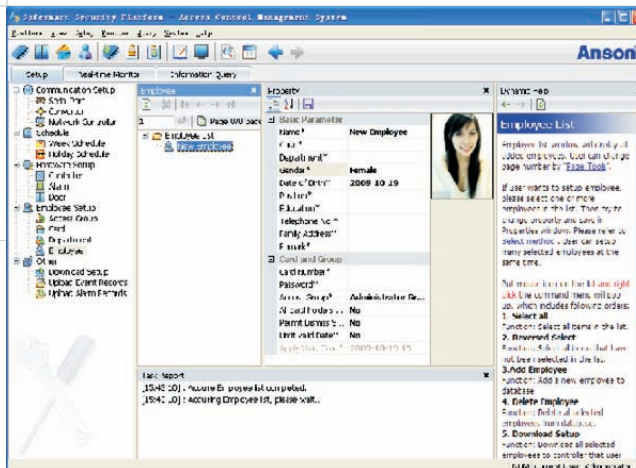
Safesmart Software

Safesmart supports single-step download, batch download and complete download.

Administrator can assign different authorities to different users.

User can select various setups at the same time such as controller and staff setup, and then complete the setup simultaneously.

When user starts the software, the card present record and alarm record will be uploaded automatically.



Safesmart provides detailed task report on controller operation. The report can be saved for further application.

Safesmart supports various door-open modes in various time sections, including door-open with card, password and card+password.

Safesmart can be applied for:

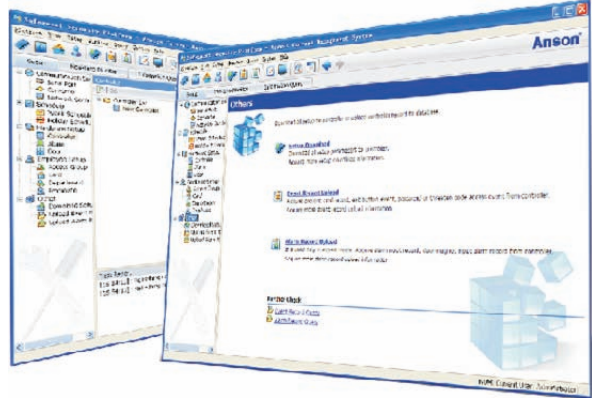
M series controller:	ASC-MS12	ASC-MS24
	ASC-ME12	ASC-ME24

Safesmart can import / export data in Microsoft Excel format.

User can self-define any output as electric lock output, door-magnetic output or alarm output. User can also self-define the co-relation between input and output.

SDK can be provided for customer on-site development.

DMS Software

Multi-language Adopting UNICODE encoding internally and text file and webpage externally, safesmart can support new language by modifying external files instead of modifying the program.	Convenient and Swift Inquiry Function DMS can provide controller information inquiry, employee information inquiry, present card record inquiry, alarm record inquiry, attendance information inquiry, and system log inquiry etc.. The enquiry record can be conveniently printed or exported .	Complete On-line Help New user will get a quick start dialog box after log in the software. On-line "Help" consists of Quick Start, FAQ, Installation Guide, User Manual and so on.
Visual Interface DMS GUI provides a more convenient and visualized operation interface.		Easy to Use, Multiple System The interface is concise and easy to operate. Safesmart can work with Windows /2000/XP/2003 Server/Vista and so on.
Powerful Access Permission Function DMS can define administrator access permissions flexibly. Access permission can be assigned down to single operation level.		The configuration of PC Required CPU: 800M Memory: ≥256M Hard Disk Capacity: ≥20G Monitor: 1024*768 pixels
Diversified Card-distribute Function Safesmart can deploy various modes to distribute card, such as card distribution by manually-input-card-number, by distributor, and by read-card. If card numbers are in sequence, user can distribute card in batch.	E-map and Real-time Monitoring Function E-map can monitor door state and display all alarm signals. When employee presents card, the employee information will be displayed in the list, such as name, card number, department, present card position, present card date and photo etc. . The function facilitates the doorkeeper to supervise the access point and control the door remotely.	Hardware Supported DMS can be applied for: ASC-89 Series : ASC-8912 ASC-8924 Integrated series: ASI-8920 ASI-8930

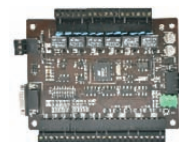
M Series Access Controller



Model	ASC-MS12	ASC-MS24	ASC-ME12	ASC-ME24	ASE-4004
Control Mode	One-door two-way or two-door one-way	Two-door two-way or four-door one-way	One-door two-way or two-door one-way	Two-door two-way or four-door one-way	Alarm Extension Board
Processor	ATMEGA64				——
Reader Interface	Wiegand26/34, Self-defined Wiegand Interface				——
Card Capacity	20000pcs				——
Event Record	50000pcs				——
Alarm Record	20000pcs				——
Communication Interface	RS232/485		TCP/IP		RS232
Communication Rate	9600/19200 bps		10M/100M		9600/19200 bps
Input Interface	2 readers + 8 input interface	4 readers + 12 input interface	2 readers + 8 input interface	4 readers + 12 input interface	Controller Input
Output Interface	6 + extension interface	8 + extension interface	6 + extension interface	8 + extension interface	——
Working Voltage	DC 9~15V				Supply power by controller
Working Current	<100mA		<150mA		——
Working Temperature	-15℃~+55℃				-15℃~+55℃
Protection	Overvoltage, anti-thunder and undervoltage protection				——
Product Size	160*130*15mm	180*140*15mm	160*130*15mm	180*140*15mm	155*50*15mm

Access Controller

89 Series Access Controller



Model	ASC-8912	ASC-8924
Control Mode	One-door two-way or two-door one-way	Two-door two-way or four-door one-way
Processor	8-bit processor	16-bit processor
Reader Interface	Wiegand26	
Card Capacity	6000pcs	15000pcs
Event Record	7000pcs	30000pcs
Alarm Record	200pcs	
Communication Interface	RS232/485 (by converter to support TCP/IP)	
Communication Rate	4800/9600 bps	
Input Interface	6 groups	8 groups
Output Interface	6 groups	8 groups
Working Voltage	DC 9~15V	
Static Current	60mA	80mA
Working Temperature	-15℃~+55℃	
Protection	Overvoltage, anti-thunder and undervoltage protection	
Product Size	165*130*15mm	180*140*15mm

Access Controller

Integrated Access Controller



Model	ASI-8910	ASI-8911	ASI-8920	ASI-8930	ASI-8941
Control Mode	One-door One-way		One-door one-way or two-way		One-door One-way
Card Type	EM Card (ID)	Mifare Card (IC)	EM Card (ID)		Mifare One
LCD	NO			YES	NO
Reading Distance	5~10cm	2~5cm	5~10cm		5~10cm
Processor	8-digit processor, 4K memory		8-digit processor, 128K memory		8-digit processor
Reader Interface	NO		Wiegand26		NO
Connectable Reader	NO		YES		NO
Card Capacity	800pcs		3000pcs		—
Event Record	NO		8000pcs		—
Communication Mode	NO		RS232/485		—
Working Voltage	DC 9~15V				DC 12V
Static Current	<50mA	<50mA	110mA	120mA	120mA
Working Temperature	-15℃~+55℃				-15℃~+55℃
Product Color	Silver		Silver/Black		Gray
Product Size	117*117*21mm	117*117*21mm	150*88*22mm	150*88*22mm	95*95*24mm

Finger Print Products



Model	FA2000	FC2000
Product Name	Finger Print Attendance	Finger Print Access Control
Collector	Glass-hard Optical Finger Print Collector	Glass-hard Optical Finger Print Collector
Attendance Function	YES	NO
Access Control Function	NO	YES
Working Voltage	DC5V	DC9~15V
Working Current	200mA	150mA
(False Rejection Rate) FRR	$\leq 1\%$	$\leq 1\%$
(False Accept Rate) FAR	$\leq 0.0001\%$	$\leq 0.0001\%$
Reaction Time	$\leq 0.8s$	$\leq 1s$
Operate Mode	On-line/Off-line	On-line/Off-line
Identification Mode	Finger Print and Password	Finger Print, Password and Card
Contrast Mode	1:N and 1:1	1:N and 1:1
Fingerprint Capacity	2000pcs	1500pcs
Management Record Capacity	1000pcs	1000pcs
Record Capacity	30000pcs	60000pcs
Communication Interface	RS232/RS485, TCP/IP	RS232/RS485, TCP/IP
Product Size	190*135*40mm	285*155*105mm

ID Reader Series (125KHz)



Model	ASR-2610	ASR-2620	ASR-2630	ASR-2660	ASR-2670	ASR-2650
Product Name	ID Reader			Anti-vandal Reader (ID)		Middle-range Reader
Card Type	EM card or EM compatible card					EM card or Middle-range card
Reading Distance	5~15cm					50~100cm
Output Format	Wiegand26					
Working Frequency	125KHz					
Password input	NO	YES	NO	NO	NO	NO
Working Voltage	12V DC±5%					
Working Current	40mA	60mA	40mA	40mA	40mA	100mA
Working Temperature	-10℃~60℃					
Working Humidity	0~90%					
Product Color	Black	Black	Black	Silver	Silver	Black
Product Size	100*65*18mm	115*75*20mm	95*95*24mm	106*49*19mm	86*86*19mm	260*260*35mm

ID Reader (125KHz)

Anson®

Reader

ID Reader Series

IC/Section Reader Series (13.56MHz)



Model	ASR-2611	ASR-2621	ASR-2631	ASR-2811	ASR-2821
Product Name	IC Reader			Section Reader	
Card Type	Mifare Card				
Reading Distance	2~10cm				
Output Format	Wiegand26			Wiegand26-66	
Working Frequency	13.56MHz				
Password Input	NO	YES	NO	NO	YES
Working Voltage	12V DC±5%				
Working Current	40mA	60mA	40mA	80~90mA	
Working Temperature	-10℃~60℃				
Working Humidity	0~90%				
Product Color	Black				
Product Size	100*65*18mm	115*75*20mm	95*95*24mm	100*65*18mm	115*75*20mm

IC Reader Series

Monitoring Camera Series



Model	IT-WG0824IR	IT-WC0822IR	IT-WG0944IR	IT-WC0942IR	IT-BA0101GC	IT-BC0102GC	IT-HQ1201DN	IT-HQ1202DN
Product Name	High-efficiency IR Waterproof Camera				BGC Color Analog Camera		High-Speed Intelligent Dome Camera	
Image Sensor	1/3 " SONY CCD						1/4 " SONY Super HAD CCD	
Horizontal Resolution	680 TV Lines	450 TV Lines	680 TV Lines	450 TV Lines	680 TV Lines	450 TV Lines	540/480 TV Lines	
Lens	3.6mm/6mm		8mm/12mm		——		3.9-105.3mm	
IR Visible Range	30m		50m		——			
Installation	Ceiling Mount, Wall Mount						Ceiling Mount	Wall Mount
Application	Hotels, Internet Cafes, Shops		Square, Pavilion, Community, Mine, Warehouse		Hotels, Parking, Education, Pavilion		Parking, Traffic, Pavilion , Supermarket, Education	
Working Voltage	DC 12V ±10%						AC24±4V, 50Hz	
Working Current	130~140mA(IR on Max300~330mA)				140mA	180mA	<400mA	
Working Temperature	-20℃~60℃							
Working Humidity	0~90%							
Package Dimensions	208mm*125mm*122mm		235mm*130mm*145mm		208mm*122mm*125mm		490mm*330mm*300mm	

Monitoring Camera Series



Model	IT-DG0304GC	IT-DC0302GC	IT-DG2214IR	IT-DC2212IR	IT-SG1304GC	IT-EG1404GC	IT-MG1504GC	IT-MC1602GC
Product Name	Dome Camera		IR Dome Camera		Spy Camera	Elevator Camera	Mini Camera	
Image Sensor	1/3 " SONY CCD							
Horizontal Resolution	680 TV Lines	450 TV Lines	680 TV Lines	450 TV Lines	680 TV Lines			450 TV Lines
Lens	4-9mm Manual Focus Lens		3.6mm				3.7mm	
IR Visible Range	——		15m		——			
Installation	Ceiling Mount							
Application	Bank, Securities, Hotels, Airport		Hotels, Internet Cafes, Shops, Community		Commercial Establishments, Elevator		ATM machine, National Security Institution	
Working Voltage	DC 12V ±10%							
Working Current	180mA	140mA	130~140mA(IR on Max200~210mA)		180mA			140mA
Working Temperature	-20℃~60℃							
Working Humidity	0~90%							
Package Dimensions	165mm*165mm*160mm		138mm*138mm*134mm		122mm*122mm*132mm		80mm*80mm*80mm	

Monitoring Camera Series

Card Series



Model	ASC-EM01	ASC-EM02	ASC-EM03	ASC-EM04	ASC-MF01	ASC-MF02	ASC-MC01	ASC-UH01
Product Name	EM Thick Card	EM Thin Card	Key Button Card	Middle-range Card	Mifare Card	Mifare Card (Philips)	Magnetic Stripe Card	Active Card
Working Frequency	125KHz				13.56MHz		——	2.4G
Sensing Distance	5~15cm			50~100cm	3~5cm		——	5~30m
Card Memory	——	——	——	——	1K	1K	——	——
Communication Speed	——	——	——	——	106Kb		——	106Kb
Reading Time	——	——	——	——	1-2ms		——	2-5MS
Number of Erase and Rewrite	——	——	——	——	>100000 times		>10000 times	>100000 times
Working Temperature	-20℃-85℃							
Data Save	>10 years							
Production Standard	ISO 14443, ISO 10536							
Encapsulation Material	PVC							
Printable	YES	YES	NO	YES	YES	YES	YES	NO
Product Size	86*54*1.8mm	86*54*0.8mm	86*54*0.8mm	86*54*1.8mm	86*54*0.8mm	86*54*0.8mm	86*54*0.8mm	90*58*7mm

Card Series

Electro-magnetic Lock



Model	ASL-3201A	ASL-3201B	ASL-3202A	ASL-3202B	ASL-3203A	ASL-3203B
Door Type	Unidirectional	Bidirectional	Unidirectional	Bidirectional	Unidirectional	Bidirectional
Tenacity	350Lbs(180kg)	350*2Lbs(180*2kg)	600Lbs(180kg)	600*2Lbs(280*2kg)	800Lbs(350kg)	800*2Lbs(350*2kg)
Lock Size	170*39*21mm	340*39*21mm	250*47*25mm	500*47*25mm	285*49*28mm	570*49*28mm
Suction Plate Size	130*32*11mm	130*32*11mm	180*38*11mm	180*38*11mm	190*45*11mm	190*45*11mm
Working Voltage	DC 12V					
Working Current	300mA	600mA	500mA	1000mA	480mA	960mA
Security Mode	Fail-safe					
Signal Detection	NO	NO	Door status signal output			
Working Environment	Temperature: -10℃~ +55℃ Humidity: 0~90%					
Door-open Mode	90 degree open					
Door Type Applicable	Wooden, Glass, Metal and Fire-escape doors					
Matching Bracket	ASF-320L/ASF-320U/ASF-320ZL					
Product Weight	1.2kg	2.4kg	2kg	4kg	2.5kg	5kg

Electro-magnetic Lock

Electric Bolt Electric Strike



Model	ASL-3301	ASL-3301+	ASL-3302	ASL-3501	ASL-3502	ASL-3503
Product Name	Electric Bolt			Electric Strike		
Security Mode	Fail-safe		Fail-secure	Fail-secure / Fail-safe (customer need to specify)		
Lock Size	205*35*40mm		260*30*48mm	150*39.5*28mm	160*25*28mm	124*32*33mm
Latch Board	90*25*2mm		100*25*2.7mm	——	——	——
Lock Core Size	16*16mm		16*16mm	——	——	——
Working Voltage	DC 12V±10%					
Starting Current	900mA		950mA	——	——	——
Working Current	100mA		150mA	450mA		250mA
Delay Time	——	0/3/6/9 seconds		——	——	——
Signal Detection	Door status signal output			——	——	——
Door-open Mode	180 degree open			90 degree open		
Working Environment	Temperature:-10℃~+55℃			Humidity: 0~90%		
Door Type Applicable	Wooden, Glass, Metal and Fire-escape doors			Wooden, metal and PVC doors		
Matching Bracket	ASF-330L/ASF-330U/ASF-330ZL			——	——	——
Product Weight	0.7kg	0.7kg	1kg	0.3kg	0.3kg	0.4kg

Electric Bolt / Electric Strike

Lock Bracket



Model	ASF-320L	ASF-320U	ASF-320ZL	ASF-330L	ASF-330U	ASF-330ZL
Product Name	Electro-magnetic Lock Bracket			Electric Bolt Bracket		
Lock Type Applicable	ASL-3201A/B ASL-3202A/B ASL-3203A/B			ASL-3301 ASL-3301+		
Material	Aluminum			Stainless steel		
Door Type Applicable	Narrow Frame Door	Frameless Glass Door	Door Open Toward Inside	Narrow Frame Door Open Toward Inside	Frameless Glass Door	Frameless Glass Door
Door-open Mode	90 degree open			90 or 180 degree open		
Product Weight	0.318kg	0.242kg	0.718kg	0.6kg	0.3kg	1.7kg

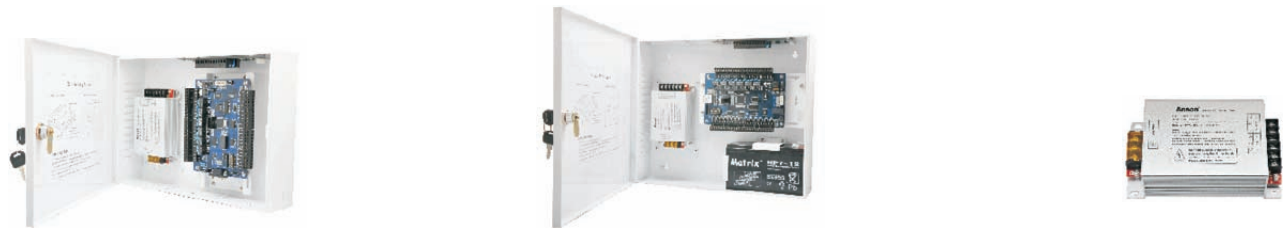
Exit Button



Model	ASF-EN10	ASF-EN20	ASF-EN30	ASF-EN40	ASF-EN50	ASF-EN80	ASF-EN90
Product Name	Exit Button	Exit Button	Exit Button	Exit Button	Exit Button	Emergent Exit Button	Remote Entrance /Exit Button
Material	Fire Proof Resin	Aluminum		Stainless Steel		Fire Proof Material	PVC
Electric Parameter	Maximum Current: 3A/36V DC						DC12V/8mA
Contact Output	NC\COM	NO\NC\COM		NC\COM	NO\NC\COM	NC\COM	NO\NC\COM
Prodcut Size	86*86*32mm	86*50*20mm	86*86*20mm	86*28mm	86*86mm	86*86*50mm	75*55*28mm
Product Weight	0.07kg	0.16kg	0.25kg	0.1kg	0.15kg	0.2kg	0.2kg

Lock Bracket & Exit Button

Power Box&Power Supply



Model	ASCB-6600		ASCB-6800	ASCB-630P
Product Name	Power Box			Power Supply
Box and Power Supply Case Material	Steel			Aluminum
Material Thickness	1.2mm			—
Built-in Power Supply	ASCB-630P			—
Input Voltage	—	—	—	220V/110V
Output Voltage	—	—	—	DC13.8V±15%
Rated Current	—	—	—	5A
Battery	Optional, Use Outside Box	Optional, Use Inside Box		—
Product Color	Milk-white	Milk-white		Silver
Product Size	310*230*70mm	330*300*70mm		140*80*50mm
Product Weight	2.75kg	3kg		0.5kg

Power Box& power Supply

Anson Vision

The goal of Anson is to become a global benchmark company in smart security field in 2013. In order to reach this target, Anson will adopt the state-of-art technology to ensure qualified product, and develop the company with the spirit of Faithfulness and Dedication.

Live Safely, Conveniently and Effectively.

Anson believes that in the near future, heavy keys will be replaced by a card, your finger, your face or your body. Keys will never be heavy and troublesome anymore. Anson determines to change the traditional wisdom: Open the Era of Embedded Security Integration Systems.

Anson Philosophy

Live Safely and Conveniently

This is Anson operation ideology as well as Anson mission. Zhao Bin, the general manager of Anson said: heavy keys become ever more troublesome for modernist. Our mission is to propellant for operating security.

"Professionalism, Dedication and Strive for Perfection, Anson aims at becoming a benchmark in Chinese Smart Security Industry.

Before the establishment of the company, this has become the guiding principle of Anson people. Zhao Bin, the general manager of Anson said: professionalism is to concentrate on smart security field and keep improving and self-transcendence. Dedication is to refuse temptation and pay high attention to our work. Finally, only by strive for perfection, Anson product can take the lead and become benchmark of the industry.